

Special Issue

Symmetry and Fractals: Theory and Applications

Message from the Guest Editors

Symmetry and fractals are two concepts that are abundant in mathematics, physics, and nature. They provide new mathematical tools for studying complex systems and are important for understanding and describing physical phenomena. These tools can extract useful information hidden in complex data, providing strong support for scientific research and engineering applications. They both hold important positions and values in the field of science. This Special Issue aims to explore the basic principles and applications of symmetry and fractal theory in fields such as mathematics, physics, chemistry, biology, sociology, and engineering; promote the research and development of symmetry and fractal theory; discover new theories and methods; develop new numerical and experimental methods to validate and expand symmetry and fractal theory; and apply the theories of symmetry and fractals to solve practical problems and promote scientific and technological progress. In this Special Issue, original research articles and reviews are welcome. Keywords:

symmetry;
fractals;
theoretical research;
interdisciplinary applications;
numerical methods;
mathematical models.

Guest Editors

Prof. Dr. Jian Wang

1. School of Mathematics and Statistic, Nanjing University of Information Science and Technology, Nanjing 210044, China
2. Center for Applied Mathematics of Jiangsu Province, Nanjing University of Information Science and Technology, Nanjing 210044, China
3. Jiangsu International Joint Laboratory on System Modeling and Data Analysis, Nanjing University of Information Science and Technology, Nanjing 210044, China

Prof. Dr. Guangying Lv

1. School of Mathematics and Statistic, Nanjing University of Information Science and Technology, Nanjing 210044, China
2. Jiangsu International Joint Laboratory on System Modeling and Data Analysis, Nanjing University of Information Science and Technology, Nanjing 210044, China



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.2



mdpi.com/si/209100

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.2



[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)



About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1
(General Mathematics)